

#13294 Store at -20°C

## ACAT2 (E1L8V) Rabbit mAb



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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 41	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BWD1	Entrez-Gene Id: 39
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting Immunoprecipitation	<b>Dilution</b> 1:1000 1:50
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity / Sensitivity</b>	ACAT2 (E1L8V) Rabbit mAb recognizes endogenous levels of total ACAT2 protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val216 of human ACAT2 protein.	
<b>Background</b>	Acetyl-CoA acetyltransferase 2 (ACAT2), also known as cytosolic acetoacetyl-CoA thiolase, plays a role in regulating lipid metabolism (1). It catalyzes the synthesis of acetoacetyl-CoA from two acetyl-CoA molecules, which is later converted into steroids (2).	
<b>Background References</b>	1. Shintani, S. et al. (1999) <i>Genetics</i> 152, 743-54. 2. Middleton, B. (1974) <i>Biochem J</i> 139, 109-21.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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